

## Special Issue

# Advanced Techniques in the Analysis and Prediction of Students' Behaviour in Technology-Enhanced Learning Contexts

### Message from the Guest Editors

Analysing and predicting individuals' behaviour are important topics in academic environments, especially after the increasing development and deployment of software tools for supporting learning stages. The automation of many processes involved in the usual students' activity allows for processing massive volumes of data collected from teaching-enhanced learning (TEL) platforms, leading to useful applications for academic personnel. Data mining, big data, machine learning, deep learning, collaborative filtering, and recommender systems, among other fields related to intelligent systems, leading to new applications and more effective approaches in the analysis and prediction of the students' behaviour in academic contexts. This Special Issue provides a collection of papers of original advances in the analysis, prediction, and recommendation of applications propelled by artificial intelligence, big data, and machine learning, especially in the TEL context. Papers about these topics are welcomed.

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### Guest Editors

Prof. Dr. Juan A. Gómez-Pulido

Prof. Dr. Young Park

Prof. Dr. Ricardo Soto

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### Deadline for manuscript submissions

closed (31 May 2020)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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